16th General Meeting

of the

American Electrochemical Society

To be held in New York City,
October 28, 29, 30,
1909.

LOCAL COMMITTEES.

General Committee.

L. H. Baekeland, Chairman; Alois von Isakovics, Sec'y; C. E. Acker, W. H. Bassett, C. F. Carrier, Jr., W. G. Clark, L. Duncan, T. A. Edison, H. H. Emrich, C. Engelhard, H. Foersterling, G. A. Gabriel, A. F. Ganz, C. P. Goepel, C. A. Graves, W. M. Grosvenor, G. G. Grower, J. F. Hammond, H. D. Hibbard, W. F. Hurlburt, J. Kahn, G. M. Kebbe, E. C. Klipstein, Wm. J. Lansley, J. H. Lienau, A. S. McAllister, F. J. Maywald, J. T. Morrow, W. S. Nichols, J. J. Riker, F. Roessler, A. J. Ross, L. A. Ruhl, F. F. Schuetz, C. H. Sharp, S. Sheldon, C. C. Speiden, J. E. Teeple, C. J. Thatcher, J. Thomson, W. Waddell, H. Wigglesworth, J. A. Yunck, F. Zimmermann.

Executive Committee.

E. F. Roeber, Chairman; Alois von Isakovics, Secretary; L. H. Baekeland, E. F. Kern.

Entertainment Committee.

Maximilian Toch, Chairman; Alois von Isakovics, Sec'y; J. Bijur, W. Bowman, W. Dreyfus, G. Drobegg, C. O. Mailloux, H. Philipp, G. P. Scholl, T. D. Waring, T. Wolcott.

Press Committee.

W. D. Weaver, Chairman; C. M. FitzGerald, W. R. Ingalls, Chas. Kirchhoff, E. F. Roeber.

Columbia University Committee.

A. L. Walker, Chairman; C. F. Chandler, F. B. Crocker, E. F. Kern, J. L. R. Morgan, H. C. Parker, S. A. Tucker.

Excursion Committee.

E. A. Sperry, Chairman; Alois von Isakovics, Secretary; L. H. Baekeland, C. S. Bradley, H. B. Coho, W. J. Hammer, W. H. Nichols, E. F. Roeber.

Reception Committee.

M. Loeb, Chairman; L. Addicks, Chas. Baskerville, C. J. Bogue, A. A. Breneman, E. Caldwell, E. A. Colby, F. D. Crane, C. A. Doremus, A. H. Elliott, J. Hasslacher, F. Hemingway, W. S. Howell, G. F. Kunz, E. G. Love, C. F. McKenna, W. McMurtrie, G. W. Maynard, H. A. Metz, L. B. Miller, E. F. Price, G. O. Seward, I. F. Stone, E. Stutz, J. Takamine, R. von Foregger, L. Waldo, E. Weston, F. G. Wiechmann.

Ladies' Committee.

Mrs. L. H. Baekeland, Chairman; Mrs. L. Addicks, Mrs. C. Baskerville, Mrs. C. F. Carrier, Jr., Mrs. C. F. Chandler, Mrs. H. B. Coho, Mrs. C. A. Doremus, Mrs. A. F. Ganz, Mrs. C. A. Graves, Mrs. F. Hemingway, Mrs. W. R. Ingalls, Mrs. Alois von Isakovics, Mrs. G. F. Kunz, Mrs. Wm. J. Lansley, Mrs. Morris Loeb, Mrs. F. J. Maywald, Mrs. W. H. Nichols, Mrs. E. F. Roeber, Mrs. F. F. Schuetz, Mrs. E. A. Sperry, Mrs. I. F. Stone, Mrs. J. Takamine, Mrs. J. E. Teeple, Mrs. C. J. Thatcher, Mrs. John Thomson, Mrs. Maxmilian Toch, Mrs. J. A. Yunck.

Places of Meeting.

The session of Thursday, October 28, will be held at the Chemists' Club, 108 West Fifty-fifth Street, New York City, beginning at 1.30 p. m. The Central Park Elevated Trains, on Sixth Avenue to Fiftieth Street, are the nearest rapid transit connections.

The Board of Directors will meet at the Chemists' Club, 108 West Fifty-fifth Street, New York City, on October 29, at 8 p. m., in the Library of the Club.

On Friday, October 29, there will be no Business Meetings of the Society, the whole day being spent on the excursions to the industries of Bayonne, N. J. For further details consult detailed programme On the evening of Friday, October 29, a Subscription Dinner will be held at the Hotel Cumberland, Fifty-fourth Street and Broadway. Members wishing to attend the Dinner on Friday evening are requested to purchase tickets in advance from the Secretary of the New York Section; subscription, $2.00.

On Saturday, October 30, two sessions for Reading of Papers will be held at Columbia University. The University is situated at 116th Street and Broadway, and is best reached by Broadway Express by the Subway to 116th Street. The meetings will be held in Earle Hall, commencing in the morning at 9.30 o'clock. Lunch will be served in the University Dining Hall. The Afternoon Session will be held at 2.00 o'clock.

On the evening of October 30 the Society will be the guest of the Chemists' Club at a Smoker in the Assembly Room of the Club.

Headquarters for Registering and Information.

Thursday, October 28, all day and in the evening, at the Chemists' Club.

Friday, October 29, all day, at the Chemists' Club.

Saturday, October 30, in the Lobby of Earle Hall, Columbia University.

Chemists' Club has telephone connection; also Earle Hall, Columbia University.

Badges will be given at the time of registration to all members, and to applicants who have deposited their initiation fee. Special Badges will be provided for guests, including ladies, who must be introduced by a member and sign the registration book.

Hotel Headquarters.

Hotel Cumberland, Fifty-fourth Street and Broadway. Two blocks west and one block south of the Chemists' Club. Special prices have been arranged for our members: $2.50 per day for room with bath for one person, $3.50 per day for room with bath for two persons. This is one of the finest up-to-date hotels in New York, but charges for rooms and restaurant will be found reasonable. It is recommended that rooms be engaged in advance.

Excursions.

The whole day of Friday, October 29, will be devoted to an Excursion to Bayonne, N. J.

Members and guests will meet in the Waiting Room of the Station of the Central Railroad of New Jersey in Jersey City at 8.30 a. m. (This Station can be reached from New York by Ferries either from Liberty Street or Twenty-third Street, not from New York in any other way.)

A Special Train will take the party to the Constable Hook Section in Bayonne, where the Forenoon will be spent. In the Afternoon plants in the Newark Bay Section of Bayonne will be visited.

At Noon a Lunch will be served at one of the Shore resorts on the Kill von Kull. The Mayor of Bayonne, Hon. Pierre P. Garven, will there welcome the Society to Bayonne.

So far the following companies have given permission to visit their plants :—

Standard Oil Company. (Oil refineries.)

National Sulphur Company. (Refining of Sulphur.)

Pacific Coast Borax Company. (Manufacturers of borax and boric acid.)

Gröndal briquetting plant at the works of the General Chemical Company. (The first American installation of the Gröndal process.)

Babcock & Wilcox Company. (Water-tube boilers and adjuncts.)

Electro-Dynamic Company. (Interpole motors for wide speed-variation.)

Electric Launch Company. (Submarine vessels, etc.)

Industrial Oxygen Company. (Oxy-acetylene welding and cutting apparatus.)

The Excursion Committee is confident that permission for visiting one or more important plants may still be obtained.

The party will return to New York by special train in time for the Banquet in the Evening.

It is to be clearly understood that while the above-named Companies have given permission to the Society as a whole to visit their works, members interested in a competitive process are expected not to visit that particular plant. Thus the Standard Oil Company has

given permission under the condition that no one connected with the refining of oil will be allowed to visit their works. Similar conditions have been made by the Babcock & Wilcox Company and the National Sulphur Company. The different plants to be visited are, however, of such a diversified character that every member will find it profitable to take part in the Excursion.

To make arrangements for the Special Train and the Lunch it is of utmost importance to know how many members and guests will participate in the Excursion, and an early notice to the Secretary of the New York Section is urgently requested from those who have not already given notice.

Railroad Tickets for the Excursion will be distributed to members and guests when registering.

Admittance to plants to be visited will be granted only to members and guests wearing the Society Badge.

Since a Special Program has been arranged for entertaining the Ladies on Friday, Ladies are not expected to take part in the Excursion to Bayonne.

Entertainments.

On Friday, October 29, the New York Section invites members and visitors participating in the excursion to be its guests at the noon luncheon and on the special trains provided.

On Friday evening, October 29, a subscription dinner will be held at the Hotel Cumberland, 54th and Broadway, at 7.30 P. M. Guests, and particularly ladies, are invited to participate; subscription $2.00 per cover.

On Saturday, October 30, at noon, the New York Section invites those attending the sessions at Columbia University, to lunch in the College University Dining Hall. Ladies are invited.

The Chemists' Club invites the Society and its guests to a Smoker in the Assembly Room of the Club (108 W. 55th St.,) at 8 P. M.

Entertainment for Ladies.

The Ladies' Committee invites visiting ladies to a Reception and Tea in the Club Rooms of the Chemists' Club, on Thursday afternoon, October 28, at 3 P. M.

For Friday, October 29, the Ladies' Committee has arranged the following automobile trip for the visiting ladies: Leave Hotel Cumberland at 3 P. M., drive through Central Park, Riverside Drive to Claremont Restaurant, where light tea will be served at 4 P. M. Return to Hotel Cumberland at 5.30 P. M.

Members and guests are invited to bring ladies to the subscription dinner at the Hotel Cumberland, Friday evening.

Ladies are included in the invitation to lunch, on Saturday, October 30, noon, at Columbia University.

On Saturday evening, visiting *out-of-town* ladies are invited by the Ladies' Committee to a Theatre Party, leaving Hotel Cumberland at 8 P. M. Tickets for Ladies residing in New York may be purchased through the registrar.

PROGRAM.

Thursday, October 28.

9.30 A.M.—Registration begins. Chemists' Club.

1.30 P.M.—**Reading and Discussion of Papers. Assembly Hall, The Chemists' Club.**

(The numbers prefixed to papers indicate papers printed in advance which have been thus numbered to facilitate reference and identification).

(1) The Titanium Arc. W. S. Weedon.

The Element Boron. E. Weintraub.

A New Electrolytic Method for the Preparation of Explosive Antimony. R. C. Palmer.

3.00 P.M.—**A Lecture, by Invitation of the Board of Directors.**

Advances in Electrochemical Analysis. Dr. Edgar F. Smith.

Reception and Tea to the visiting ladies, in the Club Rooms of the Chemists' Club.

8.00 P.M.—Meeting of the Board of Directors, in the Library of the Chemists' Club.

Friday, October 29.

8.30 A.M.—Leave the Station of the Central Railroad of New Jersey, Jersey City (Communipaw), by special train, for Bayonne, N.J. Connecting boats leave 23rd Street, and Liberty Street, at 8 A.M. and 8.15 A.M. respectively.

For further details of this excursion, see page 2.

3.00 P.M.—Automobile excursion, for Ladies only, leaving Hotel Cumberland.

7.30 P.M.—Subscription Dinner at Hotel Cumberland. Ladies cordially invited to attend. Reservations must be made in advance. Subscription $2.00 per cover.

NOTES

Saturday, October 30.

9.30 A.M.—Reading and Discussion of Papers. Earl Hall, Columbia University.

(6) The Preparation of Silundum. S. A. Tucker, H. F. Kudlich and E. M. Heumann.

(2) The Laws of Electrode Losses in Electric Furnaces. Carl Hering.

(5) Furnace Electrode Losses. C. A. Hansen.

Electrode Losses and Furnace Efficiency. E. F. Roeber.

(3) A New Method of Measuring Mean Thermal and Electrical Conductivities of Electrodes. Carl Hering.

The Practical Conductance of Electrolytes. Jos. W. Richards and W. S. Landis.

A New Theory for Corrosion. Maximilian Toch.

12.00 M.—Lunch, by invitation of the New York Section in the Columbia University Dining Hall. Ladies invited.

2.00 P.M.—Reading and Discussion of Papers. Earl Hall, Columbia University.

Evolution and Present Status of the Dry Cell. J. W. Brown.

Dry Cell Tests. F. H. Loveridge.

(9) Some Characteristics of Dry Cells. C.F. Burgess and Carl Hambuechen.

(4) The Manufacture of Air-Saltpeter by the Process of the Badische Anilin and Soda Fabrik. Dr. C. Schönherr.

Power for Electrolytic Copper Refining at the Buffalo Smelting Works. W. L. Spalding.

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(7) A Process for Simultaneously Cleaning, Annealing and Zincing Wire by Electrochemical Cementation. Alfred Sang.

Notes on Zinc, Copper and Brass Dusts. Alfred Sang.

(8) Alloys of Copper with Electrolytic Iron. C. F. Burgess and James Aston.

8.00 P.M.—Theatre Party for visiting Ladies, leaving Hotel Cumberland. For details see page 5.

8.30 P.M.—A "Smoker" tendered by special invitation to the American Electrochemical Society by the Chemists' Club, in the Assembly Room of the Club, 108 West Fifty-fifth Street.

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NOTES

GENERAL OFFICERS OF THE SOCIETY.

President:

L. H. Baekeland, Yonkers, N. Y.

Past Presidents:

C. F. Burgess, Madison, Wis.
E. G. Acheson, Niagara Falls, N. Y.

Vice-Presidents:

C. P. Townsend, Washington, D. C.
F. J. Tone, Niagara Falls, N. Y.
Chas. A. Doremus, New York City.
Carl Hering, Philadelphia.
W. R. Whitney, Schenectady, N. Y.
W. D. Bancroft, Ithaca, N. Y.

Managers:

E. F. Roeber, New York City.
F. A. J. FitzGerald, Niagara Falls, N. Y.
L. Kahlenberg, Madison, Wis.
A. von Isakovics, Monticello, N. Y.
S. S. Sadtler, Philadelphia.
S. A. Tucker, New York City.
E. R. Taylor, Penn Yan, N. Y.
W. L. Miller, Toronto, Canada.
W. H. Walker, Boston, Mass.

Treasurer:

Pedro G. Salom, Philadelphia.

Secretary:

Prof. Jos. W. Richards, Lehigh Univ., So. Bethlehem, Pa.

LOCAL SECTIONS.

New York Section.

Dr. E. F. Roeber, Chairman, New York City.
Alois von Isakovics, Secretary-Treasurer, Monticello, N.Y.

Philadelphia Section.

C. J. Reed, Chairman.
S. S. Sadtler, Secretary, 39 So. Tenth Street, Phila., Pa.

University of Wisconsin Section.

Prof. C. F. Burgess, Chairman, University of Wisconsin, Madison, Wis.
O. P. Watts, Secretary.

PUBLICATIONS OF THE SOCIETY.

The Transactions are published semi-annually, cloth bound, and averaging 350 pages octavo. Each member receives a copy. By special arrangement, each member receives also the Transactions of the Faraday Society, issued quarterly. A monthly bulletin keeps members in touch with current news of the Society.

ADMISSION AND DUES.

Entrance Fee, $5.00; Yearly Dues, $5.00. Application blanks and any other information may be obtained from the Secretary.